

Title (en)

SQUEEZING-ROLL GRANULATOR AND USE THEREOF

Title (de)

QUETSCHWALZENGRANULATOR UND VERWENDUNG DESSELBEN

Title (fr)

GRANULATEUR À CYLINDRES BROyeurs ET SON UTILISATION

Publication

**EP 2958723 B1 20181024 (DE)**

Application

**EP 14706781 A 20140219**

Priority

- DE 102013003032 A 20130222
- EP 2014000446 W 20140219

Abstract (en)

[origin: WO2014127914A1] Squeezing-roll granulator (1) which has a cylindrical pressure roll (2) and a toothed squeezing roll (3), wherein the toothing (4) of the squeezing roll (3) has tooth flanks (5, 6) which are arranged between a tooth root region (7) and a tooth crown region (8), and wherein the tooth root region (7) has an external diameter (d) which is smaller than the external diameter (D) of the tooth crown region (8), and wherein the tooth crown region (8) of the squeezing roll (3) has three squeezing zones (9, 10, 11) with a central squeezing zone (10) which define different spacings from the cylindrical pressure roll (2) with a minimum spacing (a) in the region of the central squeezing zone (10), and wherein the contour of the tooth flanks (5, 6) and of the tooth root region (7) of the squeezing roll (3) defines a maximum cross section of granulate cushions (12) in interaction with the contour of the cylindrical pressure roll (2).

IPC 8 full level

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CPC (source: EP US)

**B01J 2/22** (2013.01 - US); **B29B 9/06** (2013.01 - EP US); **B29B 9/12** (2013.01 - EP US); **B29C 48/0011** (2019.01 - EP US); **B29C 48/0022** (2019.01 - EP US); **B29C 48/04** (2019.01 - EP US); **B29C 48/05** (2019.01 - EP US); **B29C 48/09** (2019.01 - EP US); **B29C 48/919** (2019.01 - EP US); **B29C 48/92** (2019.01 - EP US); **B29B 9/08** (2013.01 - EP); **B29B 2009/168** (2013.01 - EP US); **B29C 48/21** (2019.01 - EP US); **B29C 48/335** (2019.01 - EP US); **B29C 2793/0027** (2013.01 - EP US); **B29C 2793/0054** (2013.01 - EP US); **B29C 2948/92209** (2019.01 - EP US); **B29C 2948/92428** (2019.01 - EP US); **B29C 2948/92476** (2019.01 - EP US); **B29C 2948/9259** (2019.01 - EP US); **B29C 2948/926** (2019.01 - EP US); **B29C 2948/92704** (2019.01 - EP US); **B29C 2948/92876** (2019.01 - EP US); **B29C 2948/92923** (2019.01 - EP US); **B29C 2948/92933** (2019.01 - EP US); **B29C 2948/92971** (2019.01 - EP US); **B29K 2091/00** (2013.01 - US); **B29K 2101/12** (2013.01 - US)

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- JP S5981120 A 19840510 - TOYO SEIKAN KAISHA LTD
- EP 0143414 A2 19850605 - HOWALDTSWERKE DEUTSCHE WERFT [DE]

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